

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 10/18/2021 10:50 AM
Cytometer Baseline: 06/17/2021 10:50 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 12757 **Expiration Date:** 06/30/2022
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124153	-1	1.89	124066	1.85
Blue	F	SSC	125000	123028	-2	2.53	123396	2.36
Blue	E	FITC	13131	12711	-4	2.88	292	15.91
Blue	D	PE	24112	23588	-3	2.37	539	11.37
Blue	B	PerCP-Cy5-5	31295	30708	-2	3.5	1017	15.18
Blue	A	PE-Cy7	19939	19671	-2	5.82	524	30.62
Red	C	APC	42122	41177	-3	2.77	1727	11.31
Red	A	APC-Cy7	22340	21828	-3	3.02	819	11.59
Violet	B	V450	7410	7028	-6	3.35	425	12.45
Violet	A	V500	28118	26952	-5	2.96	673	9.48

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22789	2.54	586	17	N/A	N/A	Pass
Blue	F	SSC	57403	1.44	522	10	N/A	N/A	Pass
Blue	E	FITC	54	54.62	489	2	0.0396	91	Pass
Blue	D	PE	114	37.07	492	4	0.3289	225	Pass
Blue	B	PerCP-Cy5-5	190	37.2	590	4	0.0183	72	Pass
Blue	A	PE-Cy7	106	71.16	633	5	0.0201	4	Pass
Red	C	APC	400	24.63	580	4	0.0289	284	Pass
Red	A	APC-Cy7	184	27.68	556	5	0.0063	1215	Pass
Violet	B	V450	60	61.35	457	4	0.0593	2068	Pass
Violet	A	V500	97	33.48	469	4	0.0286	917	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.49	-31.26	1.05
Blue	20.37	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.43
Red	14.22	13.60 - 20.40	N/A	N/A	29.67	29.92	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 14269

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments